

Jabalpur Engineering College, Jabalpur

Semester V Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Engineering B.E. (CIVIL ENGINEERING)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted					Hours / week.			Total Credits	Total Marks	
			Theory			Practical		Total Marks	L	T			P
			End Sem	Mid Sem. MST	Quiz, Assign ment	End Sem.	Lab Work						
1	CE5001	Structural Analysis-I	70	20	10	-	-	100	3	1	-	4	
2	CE5002	Geotechnical Engg.-II	70	20	10	30	20	150	3	1	2	6	
3	CE5003	Fluid Mechanics-II	70	20	10	30	20	150	3	1	2	6	
4	CE5004	Structural Design-I (RCC)	70	20	10	30	20	150	3	1	2	6	
5	CE5005	Elective-I	70	20	10	-	-	100	3	1	-	4	
6	CE5006	Structural Analysis Lab	-	-	-	30	20	50	-	-	2	2	
7	CE5007	Management Skill Development (Internal Assessment)	-	-	-	-	50	50	-	-	2	2	
8	CE5008	Evaluation of Industrial Training (Internal Assessment)	-	-	-	-	50	50	-	-	2	2	
Total			350	100	50	120	180	800	15	5	12	32	800

MST: Minimum of two mid semester tests to be conducted.

L: Lecture T: Tutorial P: Practical

Elective-I	
Subject Code	Subject Name
CE5005A	Hydrology
CE5005B	Concrete Technology
CE5005C	Material Science
CE5005D	Numerical Computation & Optimization

Jabalpur Engineering College, Jabalpur

Semester V Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Engineering B.E. (Mechanical Engineering)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 (Academic Session-2017-18)

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted						Hours / week.			Total Credits	Total Marks
			Theory			Practical		Total Marks	L	T	P		
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work						
1	ME5001	Entrepreneurship & Management Concepts	70	20	10	-	-	100	3	1	-	4	
2	ME5002	Turbo Machines	70	20	10	30	20	150	3	1	2	6	
3	ME5003	Dynamics of Machines	70	20	10	30	20	150	3	1	2	6	
4	ME5004	Mechanical Measurement & Control	70	20	10	30	20	150	3	1	2	6	
5	ME5005	Elective-I	70	20	10	-	-	100	3	1	-	4	
6	ME5006	Departmental Lab-II (Departmental Choice/ Elective-I Lab)	-	-	-	30	20	50	-	-	2	2	
7	ME5007	Management Skill Development	-	-	-	-	50	50	-	-	2	2	
8	ME5008	Evaluation of Industrial Training (Internal Assessment)	-	-	-	-	50	50	-	-	2	2	
Total			350	100	50	120	180	800	15	5	12	32	800

MST: Minimum of two mid semester tests to be conducted

L: Lecture T: Tutorial P: Practical

Elective-I	
Subject Code	Subject Name
ME5005A	Internal Combustion Engine
ME5005B	Thermal Engineering & Gas Dynamics
ME5005C	Advanced Materials
ME5005D	Mechanical Behavior of Materials



Jabalpur Engineering College, Jabalpur

Semester V Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Engineering B.E. (Electrical Engineering)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted					Hours / week.			Total Credits	Total Marks	
			Theory			Practical		Total Marks	L	T			P
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work						
1	EE5001	Power Generation	70	20	10	-	-	100	3	1	-	4	
2	EE5002	Electrical Machine-II	70	20	10	30	20	150	3	1	2	6	
3	EE5003	Power Electronics	70	20	10	30	20	150	3	1	2	6	
4	EE5004	Instrumentation	70	20	10	30	20	150	3	1	2	6	
5	EE5005	Elective-I	70	20	10	-	-	100	3	1	-	4	
6	EE5006	Departmental Lab-II (Electrical Software Lab-I)	-	-	-	30	20	50	-	-	2	2	
7	EE5007	Management Skill Development	-	-	-	-	50	50	-	-	2	2	
8	EE5008	Evaluation of Industrial Training (Internal Assessment)	-	-	-	-	50	50	-	-	2	2	
Total			350	100	50	120	180	800	15	5	12	32	800

MST: Minimum of two mid semester tests to be conducted.

L: Lecture T: Tutorial P: Practical

Elective-I	
Subject Code.	Subject Name
EE5005A	Electromagnetic Theory
EE5005B	Advance Digital Electronics & Logic Design
EE5005C	Power System Economics
EE5005D	Renewable & Non-Conventional Energy System



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Semester V Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Engineering B.E. (Electronics & Telecommunication Engineering)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted					Hours / week.			Total Credits	Total Marks	
			Theory			Practical		Total Marks	L	T			P
			End Sem	Mid Sem. MST	Quiz, Assign ment	End Sem.	Lab Work						
1	EC5001	Computer System Organization	70	20	10	-	-	100	3	1	-	4	
2	EC5002	Linear Control Theory	70	20	10	30	20	150	3	1	2	6	
3	EC5003	Microwave Engineering	70	20	10	30	20	150	3	1	2	6	
4	EC5004	Digital Communication	70	20	10	30	20	150	3	1	2	6	
5	EC5005	Elective-I	70	20	10	-	-	100	3	1	-	4	
6	EC5006	Departmental Lab-II (Departmental Choice) Simulation Lab	-	-	-	30	20	50	-	-	2	2	
7	EC5007	Management Skill Development	-	-	-	-	50	50	-	-	2	2	
8	EC5008	Evaluation of Industrial Training (Internal Assessment)	-	-	-	-	50	50	-	-	2	2	
Total			350	100	50	120	180	800	15	5	12	32	800

MST: Minimum of two mid semester tests to be conducted.

L: Lecture

T: Tutorial

P: Practical

Elective-I

Subject Code	Subject Name
EC5005A	Energy, Environment, Ecology & Society
EC5005B	Data Structure
EC5005C	Communication Network & Transmission Line
EC5005D	Bio Medical Instrumentation



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Semester V Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Engineering B.E. (Computer Science & Engineering)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted					Hours / week.			Total Credits	Total Marks	
			Theory		Practical		Total Marks	L	T	P			
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem.							Lab Work
1	CS5001	Advance Computer Architecture	70	20	10	-	-	100	3	1	-	4	
2	CS5002	Computer Networks	70	20	10	30	20	150	3	1	2	6	
3	CS5003	Operating System	70	20	10	30	20	150	3	1	2	6	
4	EC5104	Microprocessor	70	20	10	30	20	150	3	1	2	6	
5	CS5005	Elective-I	70	20	10	-	-	100	3	1	-	4	
6	CS5006	Departmental Lab-II (Fundamental of Linux and Shell Programming)	-	-	-	30	20	50	-	-	2	2	
7	CS5007	Management Skill Development	-	-	-	-	50	50	-	-	2	2	
8	CS5008	Evaluation of Industrial Training (Internal Assessment)	-	-	-	-	50	50	-	-	2	2	
Total			350	100	50	120	180	800	15	5	12	32	800

MST: Minimum of two mid semester tests to be conducted.

L: Lecture T: Tutorial P: Practical

Elective-I	
Subject Code	Subject Name
CS5005A	Principal of Programming Languages
CS5005B	Business Communication & Ethics
CS5005C	ERP and Supply Chain Management
CS5005D	Open Source Technologies



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Semester VC Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Engineering B.E. (Information Technology)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted					Hours / week.			Total Credits	Total Marks	
			Theory			Practical		Total Marks	L	T			P
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work						
1	IT5001	IT Enabled Services, Ethics and Management	70	20	10	-	-	100	3	1	-	4	Total Marks
2	IT5002	Computer Network	70	20	10	30	20	150	3	1	2	6	
3	IT5003	Operating System	70	20	10	30	20	150	3	1	2	6	
4	IT5004	Automata and Compiler Design	70	20	10	30	20	150	3	1	2	6	
5	IT5005	Elective-I	70	20	10	-	-	100	3	1	-	4	
6	IT5006	Structured Query Language Lab	-	-	-	30	20	50	-	-	2	2	
7	IT5007	Linux and Shell Programming	-	-	-	-	50	50	-	-	2	2	
8	IT5008	Evaluation of Industrial Training (Internal Assessment) (2 Weeks)	-	-	-	-	50	50	-	-	2	2	
Total			350	100	50	120	180	800	15	5	12	32	800

MST: Minimum of two mid semester tests to be conducted.

L: Lecture T: Tutorial P: Practical

Elective-I	
Subject Code	Subject Name
IT5005A	Data Base Management System
IT5005B	E-Commerce, E-Business and E-Governance
IT5005C	Computer Graphics and multimedia
IT5005D	Management Information System



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Semester V Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Engineering B.E. (Industrial and Production Engineering)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

S. No	Subject Code	Subject Name & Title	Maximum Marks Allotted						Hours / week.			Total Credits	Total Marks
			Theory			Practical		Total Marks	L	T	P		
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work						
1	IP5001	Operations Management	70	20	10	-	-	100	3	1	-	4	
2	IP5002	Turbo Machines	70	20	10	30	20	150	3	1	2	6	
3	IP5003	Tool Engineering & Machine Tools	70	20	10	30	20	150	3	1	2	6	
4	IP5004	Metal Cutting Science	70	20	10	30	20	150	3	1	2	6	
5	IP5005	Elective-I	70	20	10	-	-	100	3	1	-	4	
6	IP5006	Departmental Lab-II (Metrology & Quality Control)	-	-	-	30	20	50	-	-	2	2	
7	IP5007	Management Skill Development	-	-	-	-	50	50	-	-	2	2	
8	IP5008	Evaluation of Industrial Training (Internal Assessment)	-	-	-	-	50	50	-	-	2	2	
Total			350	100	50	120	180	800	15	5	12	32	800

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Elective-I	
Subject Code.	Subject Name
IP5005A	Metrology & Quality Control
IP5005B	Sequencing and Scheduling
IP5005C	Productivity Management
IP5005D	Strategic Entrepreneurship